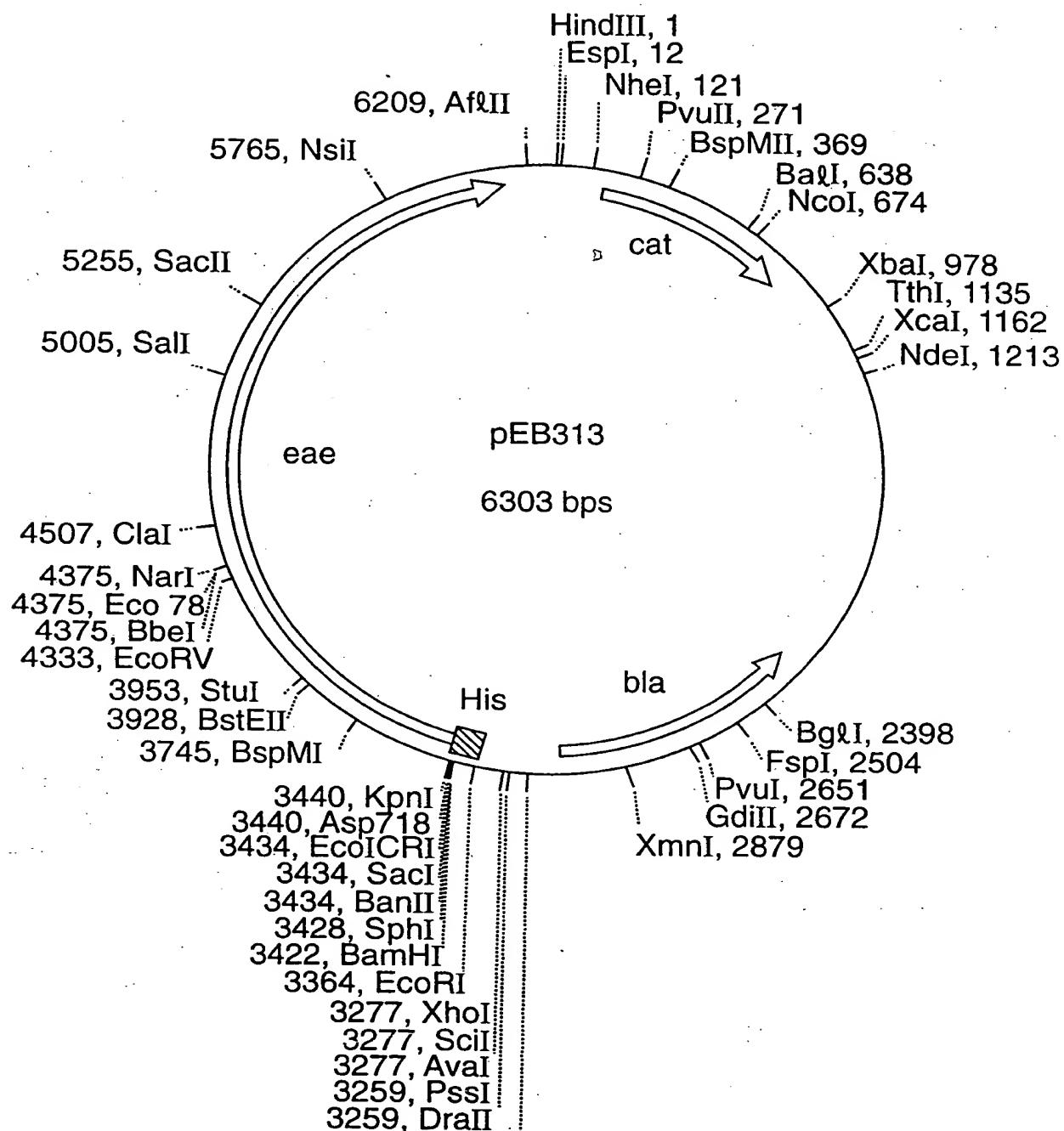


# Replacement Sheet



**FIG. 1**

## Replacement Sheet

1	MITHGCYTRT	RHKHKLKKTL	IMLSAGLGLF	FYVNQNSFAN	GENYFKLGSD
51	SKLLTHDSYQ	NRLFYTLKTG	ETVADLSKSQ	DINLSTIWSL	NKHLYSSESE
101	MMKAAPGQQI	ILPLKKLPFE	YSALPLLGSA	PLVAAGGVAG	HTNKLTKMSP
151	DVTKSNMTDD	KALNYAAQQA	ASLGSQQLQSR	SLNGDYAKDT	ALGIAGNQAS
201	SQLQAWLQHY	GTAEVNLQSG	DNFDGSSLDF	LLPFYDSEKM	LAFGQVGARY
251	IDSRFTANLG	AGQRFFLPAN	MLGYNVFIDQ	DFSGDNTRLG	IGGEYWRDYF
301	KSSVNGYFRM	RRWHESYHKK	DYDERPANGF	DIRFNGYLPS	YPALGAKLIY
351	EQYYGDNVAL	FNSDKLQSNP	GAATGVVNYT	PIPLVTMGID	YRHGTGNEND
401	LLYSMQFRYQ	FDKSWSQQIE	PQYVNELRTL	SGSRYDLVQR	NNNIILEYKK
451	QDILSLNIPH	DINGTEHSTQ	KIQLIVKSKY	GLDRIVWDDS	ALRSQGGQIQ
501	HSGSQSAQDY	QAILPAYVQG	GSNIYKVSTAR	AYDRNGNSSN	NVQLTITVLS
551	NGQVVDQVGV	TDFTADKTSA	KADNADTITY	TATVKKNGVA	QANVPVSFNI
601	VSGTATLGAN	SAKTDANGKA	TVTLKSSTPG	QVVVSAKTAE	MSSALNASAV
651	IFFDQTKASI	TEIKADKTTA	VANGKDAIKY	TVKVMKNGQP	VNNQSVTFST
701	NFGMFNGKSQ	TQATTGNDGR	ATITLTSSSA	GKATVSATVS	DGAEVKATEV
751	TFDELKIDN	KVDIIGNNVR	GELPNIWLQY	GQFKLKASGG	DGTYSWYSEN
801	TSIATVDASG	KVTLNGKGSV	VIKATSGDKQ	TVSYTIKAPS	YMIKVDKQAY
851	YADAMSICKN	LLPSTQTVLS	DIYDSWGAAN	KYSHYSSMNS	ITAWIKQTSS
901	EQRSGVSVSTY	NLITQNPPLPG	VNVNTPNVYA	VCVE (SEQ ID NO:19)	

**FIG. 2**

## Replacement Sheet

1 TCGAGAATGA AATAGAAGTC GTTGTAAAGT CAATGGAAAA CCTGTATTTG GTATTACATA  
 61 ATCAGGGAAT AACATTAGAA AACGAACATA TGAAAATAGA GGAAATCAGT TCAAGCGACA  
 121 ATAAACATTA TTACGCCGA AGATAAAATC CGATCTATTA ATATAATTAA TTTCTCATTC  
 181 TAACTCATTG TGGTGGAGCC ATAACATGAT TACTCATGGT TGTATACCC GGACCCGGCA  
 241 CAAGCATAAG CTAAAAAAA CATTGATTAT GCTTAGTGCT GGTTAGGAT TGTTTTTTA  
 301 TGTTAACAG AATTCAATTG CAAATGGTGA AAATTATTT AAATTGGGTT CGGATTCAAA  
 361 ACTGTAACT CATGATAGCT ATCAGAATCG CCTTTTTAT ACGTTGAAAA CTGGTGAAC  
 421 TGTTGCCGAT CTTCTAAAT CGCAAGATAT TAATTATCG ACGATTTGGT CGTTGAATAA  
 481 GCATTTATAC AGTTCTGAAA GCGAAATGAT GAAGGCCGCG CCTGGTCAGC AGATCATT  
 541 GCCACTAAA AAACCTCCCT TTGAATACAG TGCACATACCA CTTTTAGGTT CGGCACCTCT  
 601 TGTTGCTGCA GGTGGTGTG CTGGTCACAC GAATAAACTG ACTAAAATGT CCCCAGACGT  
 661 GACCAAAAGC AACATGACCG ATGACAAGGC ATTAAATTAT GCGGCACAAC AGGCGCGAG  
 721 TCTCGGTAGC CAGCTTCAGT CGCGATCTCT GAACGGCGAT TACCGAAG ATACCGCTCT  
 781 TGGTATCGCT GGTAAACCAGG CTTCGTCACA GTTGCAGGCC TGTTACAAC ATTATGGAAC  
 841 GGCAGAGGTT AATCTGCAGA GTGTTAATAA CTTTGACGGT AGTTCACTGG ACTTCTTATT  
 901 ACCGTTCTAT GATTCCGAAA AAATGCTGGC ATTTGGTCAG GTCGGAGCGC GTTACATTGA  
 961 CTCCCGCTTT ACGGCAAATT TAGGTGCGGG TCAGCGTTT TTCCCTCCTG CAAACATGTT  
 1021 GGGCTATAAC GTCTTCATTG ATCAGGATT TTCTGGTGAT AATACCCGTT TAGGTATTGG  
 1081 TGGCGAATAC TGGCGAGACT ATTCAAAAG TAGCGTTAAC GGCTATTTC GCATGAGCGG  
 1141 CTGGCATGAG TCATACAATA AGAAAGACTA TGATGAGCGC CCAGCAAATG GCTTCGATAT  
 1201 CCGTTTTAAT GGCTATCTAC CGTCATATCC GGCATTAGGC GCCAAGCTGA TATATGAGCA  
 1261 GTATTATGGT GATAATGTTG CTTTGTAAAG TTCTGATAAG CTGCAGTCGA ATCCTGGTGC  
 1321 GGCGACCGTT GGTGTAACAT ATACTCCGAT TCCTCTGGTG ACGATGGGGG TCGATTACCG  
 1381 TCATGGTACG GGTAATGAAA ATGATCTCCT TTACTCAATG CAGTTCCGTT ATCAGTTGA  
 1441 TAAATCGTGG TCTCAGCAAA TTGAACCACA GTATGTTAAC GAGTTAAGAA CATTATCAGG  
 1501 CAGCCGTTAC GATCTGGTTC AGCGTAATAA CAATATTATT CTGGAGTACA AGAACAGGA  
 1561 TATTCTTCT CTGAATATTG CGCATGATAT TAATGGTACT GAACACAGTA CGCAGAAAGAT  
 1621 TCAGTTGATC GTTAAGAGCA AATACGGTCT GGATCGTATC GTCTGGGATG ATAGTGCATT  
 1681 ACGCAGTCAG GCGGTCAGA TTCAGCATAG CGGAAGCCAA AGCGCACAAG ACTACCAGGC  
 1741 TATTGGCCT GCTTATGTGC AAGGTGGCAG CAATATTAT AAAGTGACGG CTCGCGCCTA  
 1801 TGACCGTAAT GGCAATAGCT CTAACAATGT ACAGCTTACT ATTACCGTTC TGTCGAATGG  
 1861 TCAAGTTGTC GACCAGGTTG GGGTAACGGG CTTTACGGCG GATAAGACTT CGGCTAAAGC  
 1921 GGATAACGCC GATACCAATT CTTATACCGC GACGGTAAA AAGAATGGGG TAGCTCAGGC  
 1981 TAATGTCCT GTTTCATTTA ATATTGTTTCA AGGAACTGCA ACTCTTGGGG CAAATAGTGC  
 2041 CAAAACGGAT GCTAACGGTA AGGCAACCGT AACGTTGAAG TCGAGTACGC CAGGACAGGT  
 2101 CGTCGTGTCT GCTAAAACCG CGGAGATGAC TTCAGCACTT AATGCCAGTG CGGTTATATT  
 2161 TTTTGATCAA ACCAAGGCCA GCATTACTGA GATTAAGGCT GATAAGACAA CTGCAGTAGC  
 2221 AAATGGTAAG GATGCTATTA AATATACTGT AAAAGTTATG AAAAACGGTC AGCCAGTTAA  
 2281 TAATCAATCC GTTACATTCT CAACAAACTT TGGGATGTTC AACGGTAAGT CTCAAACGCCA  
 2341 AGCAACCACG GGAAATGATG GTCGTGCGAC GATAACACTA ACTTCCAGTT CCGCCGGTAA  
 2401 AGCGACTGTT AGTGCACAG TCAGTGATGG GGCTGAGGTT AAAGCGACTG AGGTCACTTT  
 2461 TTTTGATGAA CTGAAAATTG ACAACAAGGT TGATATTATT GTTAACAATG TCAAGAGGTC  
 2521 GATGTTGCCCT AATATTGGC TGCAATATGG TCAGTTAAA CTGAAAGCAA GCGGTGGTGA  
 2581 TGGTACATAT TCATGGTATT CAGAAAATAC CAGTATCGCG ACTGTCGATG CATCAGGGAA  
 2641 AGTCACTTG AATGGTAAAG GCAGTGTGCT AATTAAGCC ACATCTGGTG ATAAGCAAAC  
 2701 AGTAAGTTAC ACTATAAAAG CACCGTCGTA TATGATAAAA GTGGATAAGC AAGCTTATT  
 2761 TGCTGATGCT ATGTCCATTG CAAAAAATT ATTACCATCC ACACAGACGG TATTGTCAGA  
 2821 TATTATGAC TCATGGGGGG CTGCAAATAA ATATAGCCAT TATAGTTCTA TGAACCAAT  
 2881 AACTGCTGG ATTAAACAGA CATCTAGTGA GCAGCGTTCT GGAGTATCAA GCACTTATAA  
 2941 CCTAATAACA CAAAACCTC TTCCCTGGGGT TAATGTTAAT ACTCCAAATG TCTATGCGGT  
 3001 TTGTGTAGAA TAATTCCATA ACCACCCGG CTAAAATATG TATTGTTTA GTCGGGGCAT  
 3061 AATTATTTCT TCTTAAGAAA TAACCTCTT ATAATCAAAT CTACTACTGG TCTTTTATC  
 3121 TGCTTAATAG G(SEQ ID NO:20)

**FIG. 3**

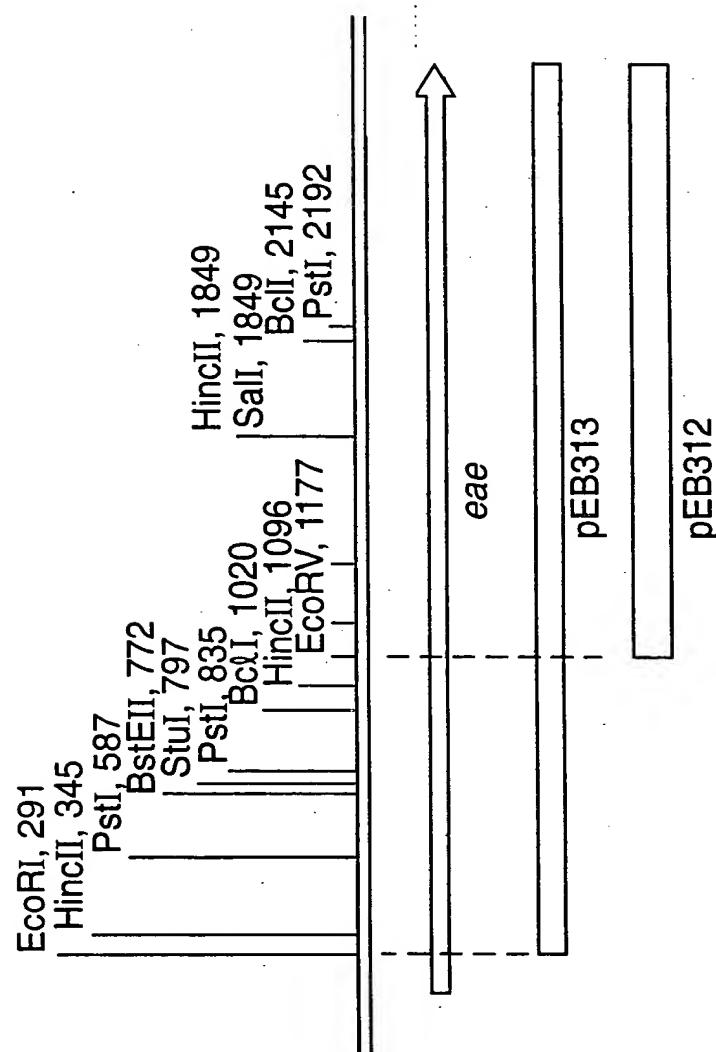
# Replacement Sheet

1 GGAAAGATAA ATCCGATCTA TTAATATAAT TTATTTCTCA TTCTAACTCA TTGTGGTGG  
 61 GCCATAACAT GAGTACTCAT GGTTGTTATA CCCGGACCCG GCACAAGCAT AAGCTAAAAA  
 121 AAACATTGAT TATGCTTAGT GCTGGTTAG GATTGTTTT TTATGTTAAT CAGAATTCTAT  
 181 TTGCAAATGG TGAAAATTAT TTTAAATTGG GTTCGGATTG AAAACTGTTA ACTCATGATA  
 241 GCTATCAGAA TCGCCTTTT TATACGTTGA AAACCTGGTGA AACTGTTGCC GATCTTTCTA  
 301 AATCGCAAGA TATTAATTAA TCGACGATTT GGTCGTTGAA TAAGCATTAA TACAGTTCTG  
 361 AAAGCAGAAT GATGAAGGCC GCGCCTGGTC AGCAGATCAT TTTGCCACTC AAAAAACTTC  
 421 CCTTTGAATA CAGTGCACTA CCACTTTAG GTTCGGCACCC TCTTGTGCT GCAGGTGGT  
 481 TTGCTGGTCA CACGAATAAA CTGACTAAAA TGTCGGCGGA CGTGACCAAA AGCAACATGA  
 541 CCGATGACAA GGCATTAAT TATGCGGCAC AACAGGGGCG GAGTCCTGGT AGCCAGCTTC  
 601 AGTCGGCAGTC TCTGAACGGC GATTACGGGA AAGATAACCGC TCTTGGTATC GCTGGTAACC  
 661 AGGCTTCGTC ACAGTTGCAG GCCTGGTTAC AACATTATGG AACGGCAGAG GTTAATCTGC  
 721 AGAGTGGTGA TAACCTTGAC GGTAGTTAC TGGACTTCTT ATTACCGTTC TATGATTCCG  
 781 AAAAAATGCT GGCATTTGGT CAGGTGGAG CGCGTTACAT TGACTCCCAGC TTTACGGCAA  
 841 ATTTAGGTGC GGGTCAGCGT TTTTTCCCTTC CTGAAACAT GTTGGGCTAT AACGTCTCA  
 901 TTGATCAGGA TTTTTCTGGT GATAATACCC GTTTAGGTAT TGGTGGCGAA TACTGGCGAG  
 961 ACTATTCAA AAGTAGCGTT AACGGTATT TCCGCATGAG GCGCTGGCAT GAGTCATAACC  
 1021 ATAAGAAAAGA CTATGATGAG CGCCCAGCAA ATGGCTTCGA TATCCGTTTT AATGGCTATC  
 1081 TACCGTCATA TCCGGCATTAA GGCGCCAAGC TGATATATGA GCAGTATTAT GGTGATAATG  
 1141 TTGCTTGTGTT TAATTCTGAT AAGCTGCAGT CGAATCCTGG TGCGCGACC GTTGGGTGAA  
 1201 ACTATACTCC GATTCCCTCTG GTGACCGATGG GGATCGATTAA CCGTCATGGT ACGGGTAATG  
 1261 AAAATGATCT CCTTTACTCA ATGCAGTTCC GTTATCAGTT TGATAAAATCG TGGTCTCAGC  
 1321 AAATTGAACC ACAGTATGTT AACGAGTTAA GAACATTATC AGGCAGCCGT TACGATCTGG  
 1381 TTCAGCGTAA TAACAATATT ATTCTGGAGT ACAAGAAGCA GGATATTCTT TCTCTGAATA  
 1441 TTCCGCATGA TATTAATGGT ACTGAACACA GTACCGAGAA GATTCACTTG ATCGTTAAGA  
 1501 GCAAATACGG TCTGGATCGT ATCGTCTGGG ATGATAGTC ATTACCGAGT CAGGGCGGTC  
 1561 AGATTCAAGCA TAGCGGAAGC CAAAGCGCAC AAGACTACCA GGCTATTTG CCTGCTTATG  
 1621 TGCAAGGGTGG CAGCAATATT TATAAAGTGA CGGCTCGCGC CTATGACCGT AATGGCAATA  
 1681 GCTCTAACAA TGTACAGCTT ACTATTACCG TTCTGTCGAA TGGTCAAGTT GTCGACCAGG  
 1741 TTGGGGTAAC GGACTTTACG GCGGATAAGA CTTTCGGCTAA AGCGGATAAC GCCGATACCA  
 1801 TTACTTATAC CGCGACGGTG AAAAAGAATG GGGTAGCTA GGCTAATGTC CCTGTTCAT  
 1861 TTAATATTGT TTCAGGAACG GCAACTCTTG GGGCAAATAG TGCCAAAACG GATGCTAACG  
 1921 GTAAGGCAAC CGTAACGTTG AAGTCGAGTA CGCCAGGACA GGTGCGTGTG TCTGCTAAAA  
 1981 CGCGGGAGAT GAGTTCAGCA CTTAATGCCA GTGCGGTTAT ATTTTTGAT CAAACCAAGG  
 2041 CCAGCATTAC TGAGATTAAG GCTGATAAGA CAACTGCAGT AGCAAATGGT AAGGATGCTA  
 2101 TTAAATATAC TGAAAAGTT ATGAAAACG GTCAGCCAGT TAATAATCAA TCCGTTACAT  
 2161 TCTCAACAAA CTTTGGGATG TTCAACGGTA AGTCTCAAAC GCAAGCAACC ACGGGAAATG  
 2221 ATGGTGGTGC GACGATAACA CTAACCTCCA GTTCCGGCGG TAAAGCGACT GTTAGTGCAG  
 2281 CAGTCAGTGA TGGGGCTGAG GTTAAAGCGA CTGAGGTAC TTTTTTGAT GAACTGAAAA  
 2341 TTGACAACAA GTTGTGATATT ATTGGTAACA ATGTCAGAGG CGAGTTGCCT AATATTTGGC  
 2401 TGCAATATGG TCAGTTAAA CTGAAAGCAA GCGGTGGTGA TGGTACATAT TCATGGTATT  
 2461 CAGAAAATAC CAGTATCGCG ACTGTCGATG CATCAGGGAA AGTCACCTTG AATGGTAAAG  
 2521 GCAGTGTGCGT AATTAAAGCC ACATCTGGTG ATAAGCAAAC AGTAAGTTAC ACTATAAAAG  
 2581 CACCGTCGTA TATGATAAAA GTGGATAAGC AAGCCTATTAA TGCTGATGCT ATGTCCATT  
 2641 GCAAAAATTT ATTACCATCC ACACAGACGG TATTGTCAGA TATTATGAC TCATGGGGGG  
 2701 CTGCAAATAA ATATAGCCAT TATAGTTCTA TGAACCTAAT AACTGCTTGG ATTAAACAGA  
 2761 CATCTAGTGA GCAGCGTTCT CGAGTATCAA GCACTTATAA CCTAATAACA CAAAACCTC  
 2821 TTCCCTGGGT TAATGTTAAT ACTCCAAATG TCTATGCGGT TTGTGTAGAA TAATTCCATA  
 2881 ACCACCCGG CTAAAATATG TATTGTTTA GTCGGGGCAT AATTATTTCT TCTTAAGAAA  
 2941 TAACCTCTTA TAATCAAATC TACTACTGGT CTTTTATCT GCTTAATAGG TCTCTTCA  
 3001 AGAGACACAT TCACGTTTC TAGAGTAGGT TGATCCAACC ACGCTGTATA CCAAAGCTGA  
 3061 ATCACATCAA GCAACAACTA TGCTCACAAC ATCCACACAA TAAAAA (SEQ ID NO: 21)

**FIG. 4**

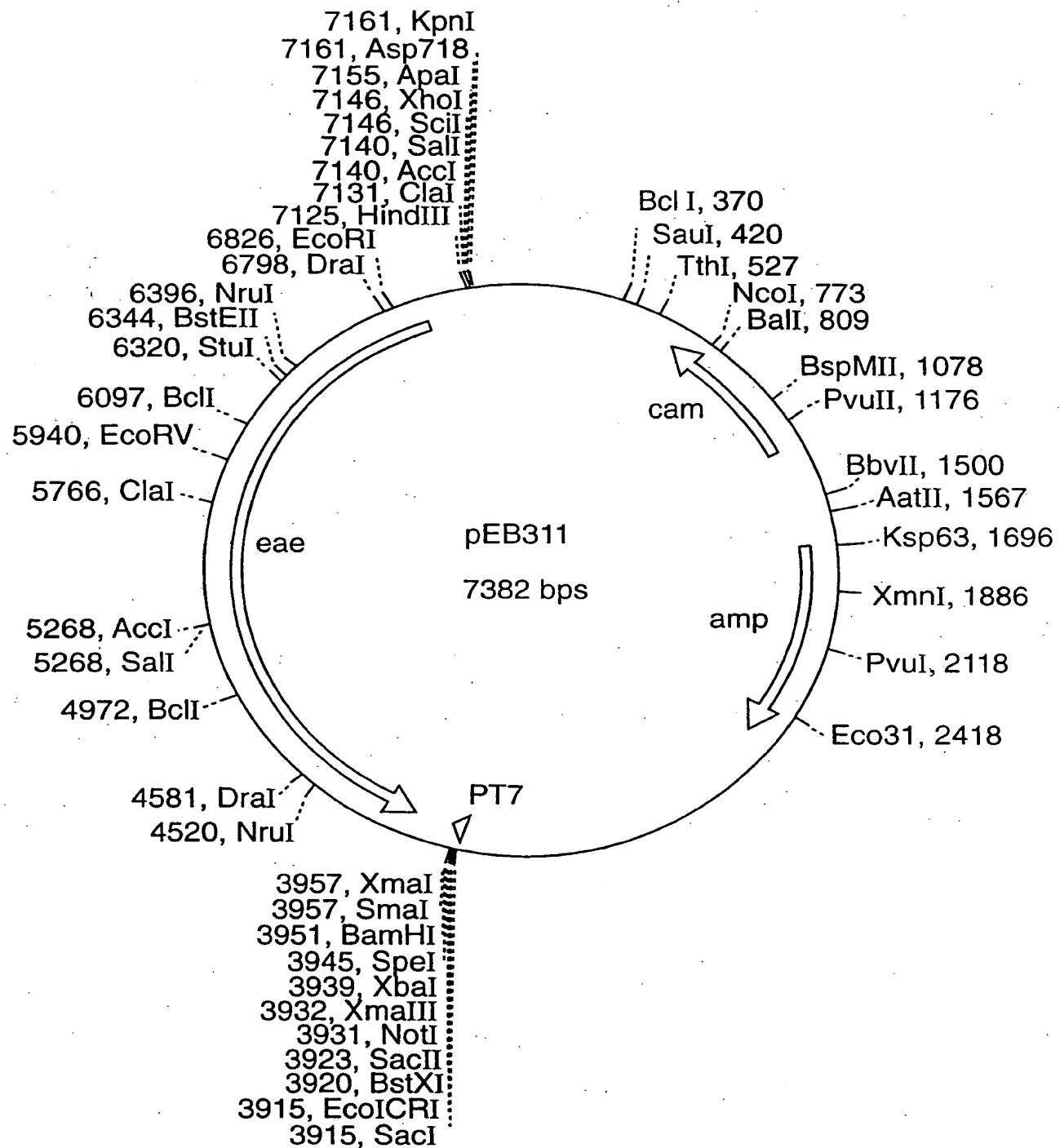
# Replacement Sheet

Sn20-MM2 *eae*  
(3144 bp)



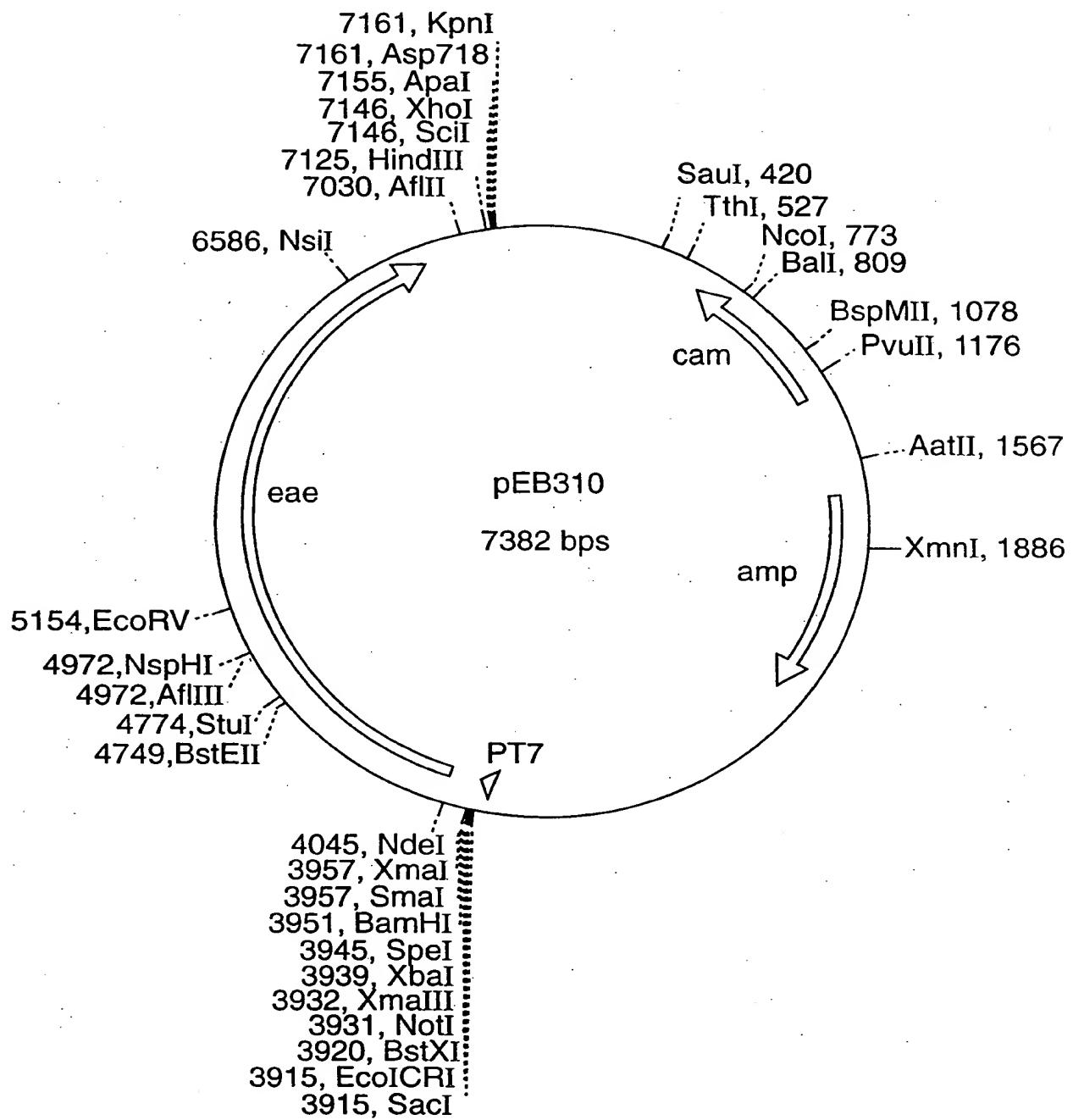
**FIG. 5**

# Replacement Sheet



**FIG. 6**

## Replacement Sheet



**FIG. 7**

## Replacement Sheet

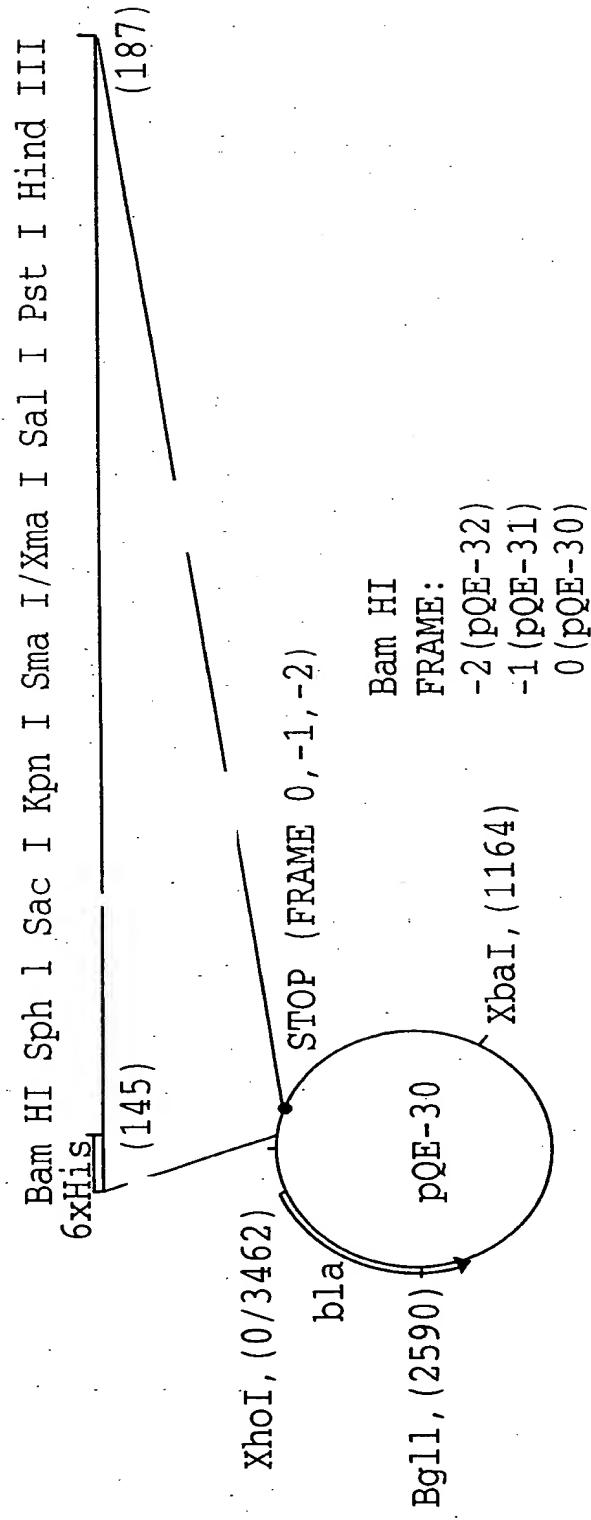
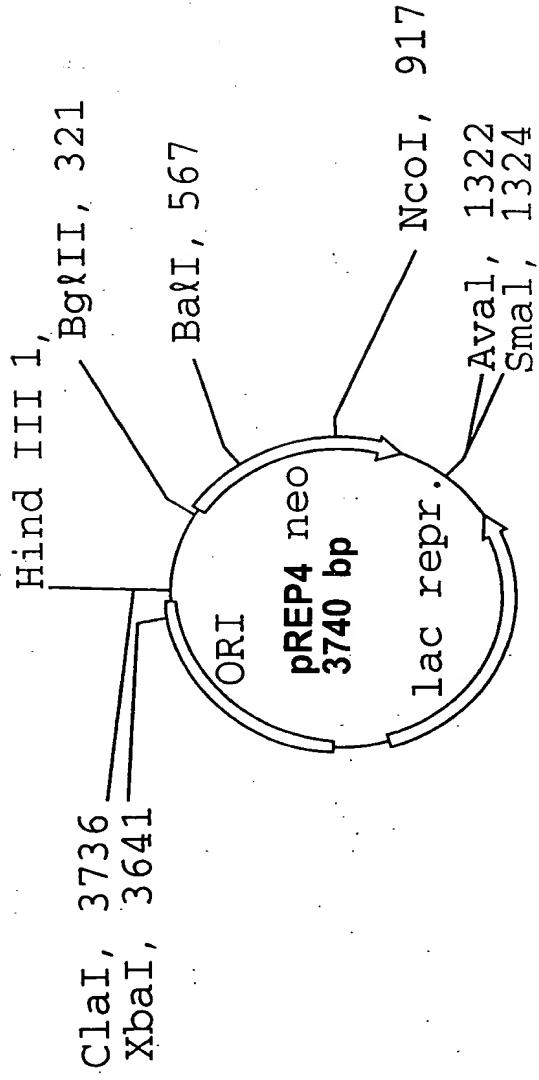


FIG. 8

## Replacement Sheet

FIG. 9



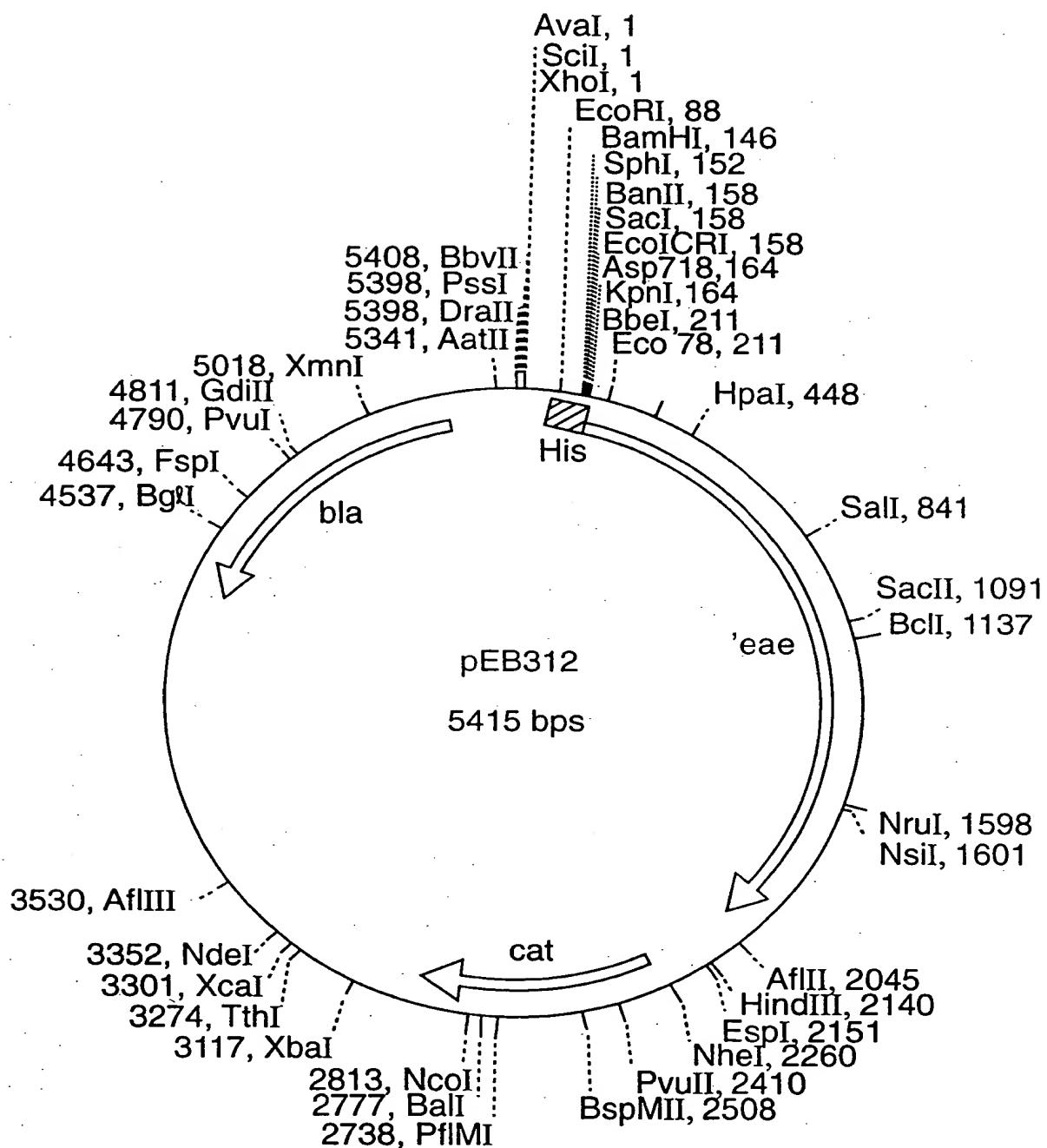
XhoI 1 CTCGAGAAAT CATAAAAT TTATTGCTT TGTGAGCGGA TAACAAATTAT TATA-Box

101 ATG → 6xHis  
AGGAGAAATT AACTATGAGA GGATCCGATC ACCATCACCA TCACGGATCC  
RBS/SD BamHI

151 GCATGGAGC TCGGTACCCC GGGTCCGACCT GCAGGCCAAGC TAAATTAGCT  
SphI SacI KpnI SmaI SalI PstI HindIII \_\_\_\_\_

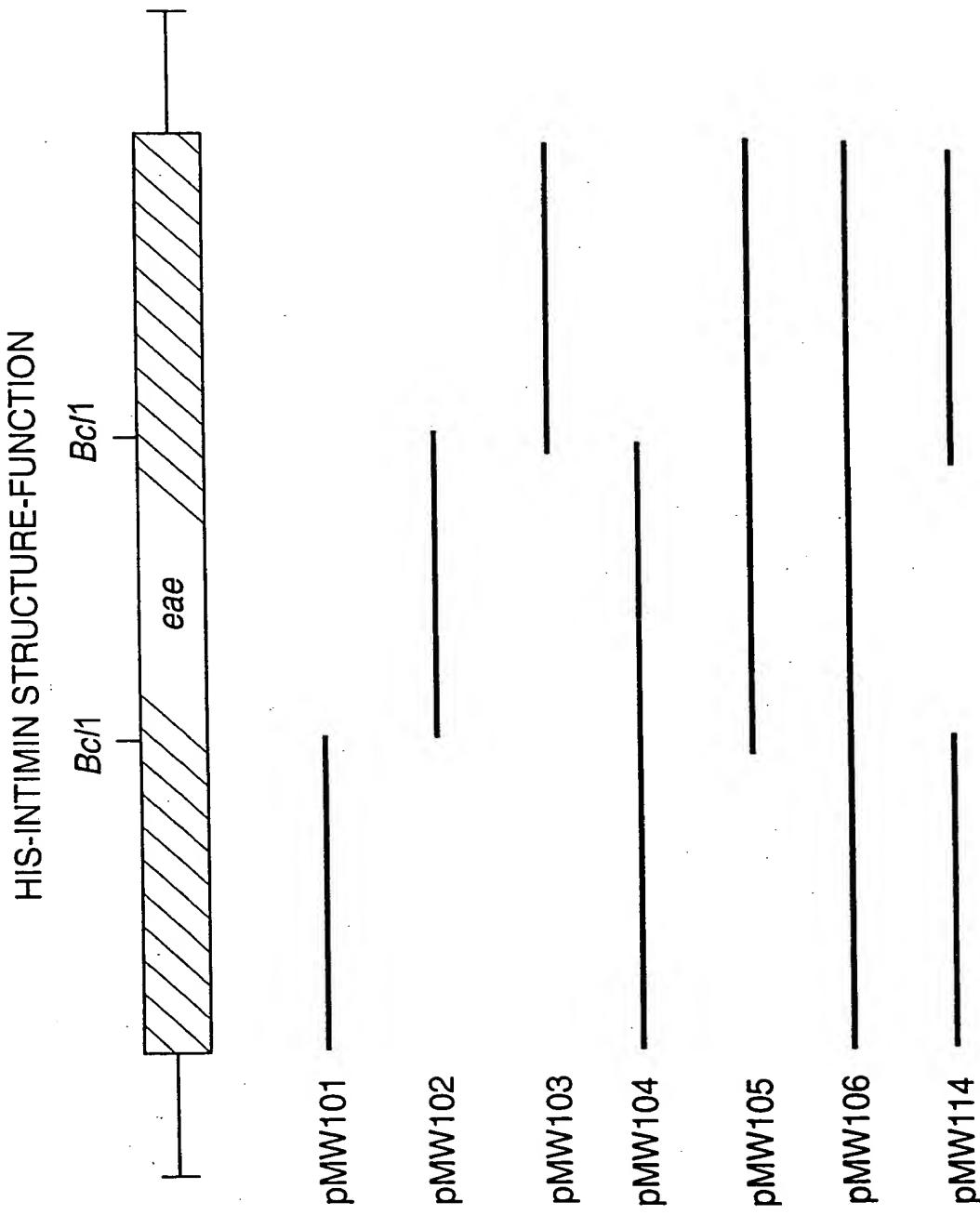
201 GAGCTTGGAC TCC<sup>T</sup>GTTGAT AGATCCAGTA ATGACCTCAG AACTCCATCT (SEQ ID NO:25) Stop 1 2 3

## Replacement Sheet



**FIG. 10**

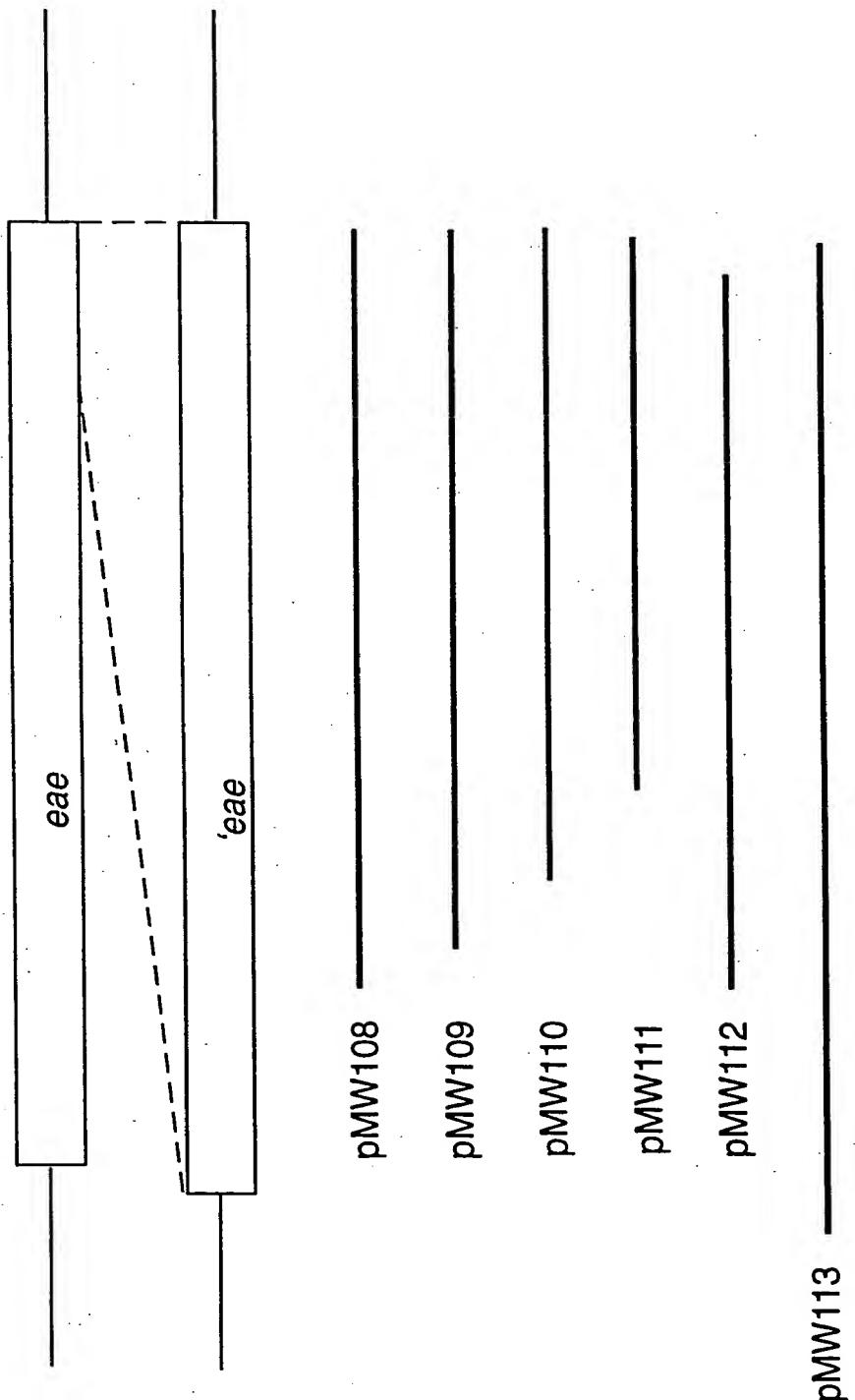
# Replacement Sheet



**FIG. 11**

# Replacement Sheet

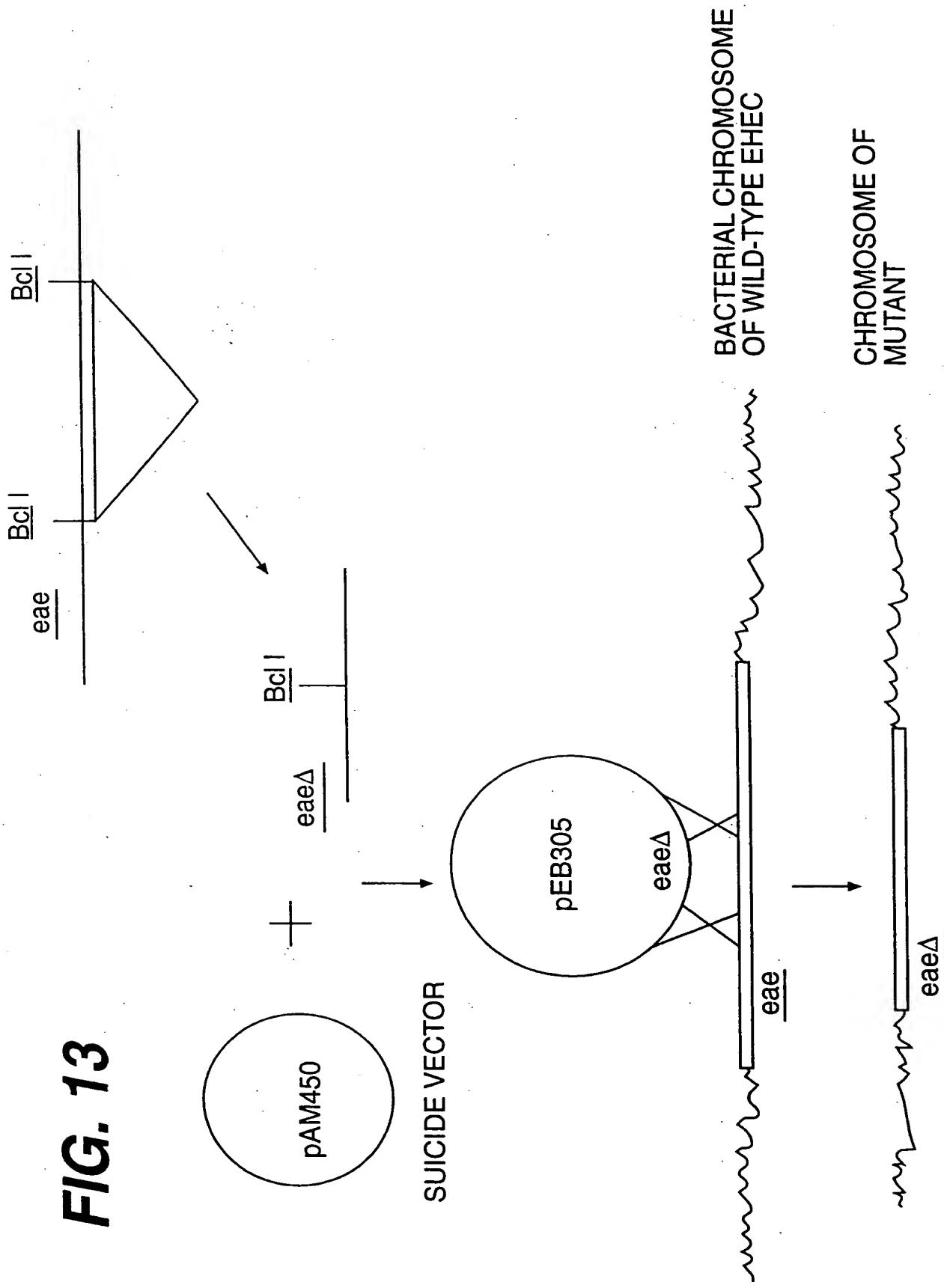
## INTIMIN: C-TERMINAL CONSTRUCTS



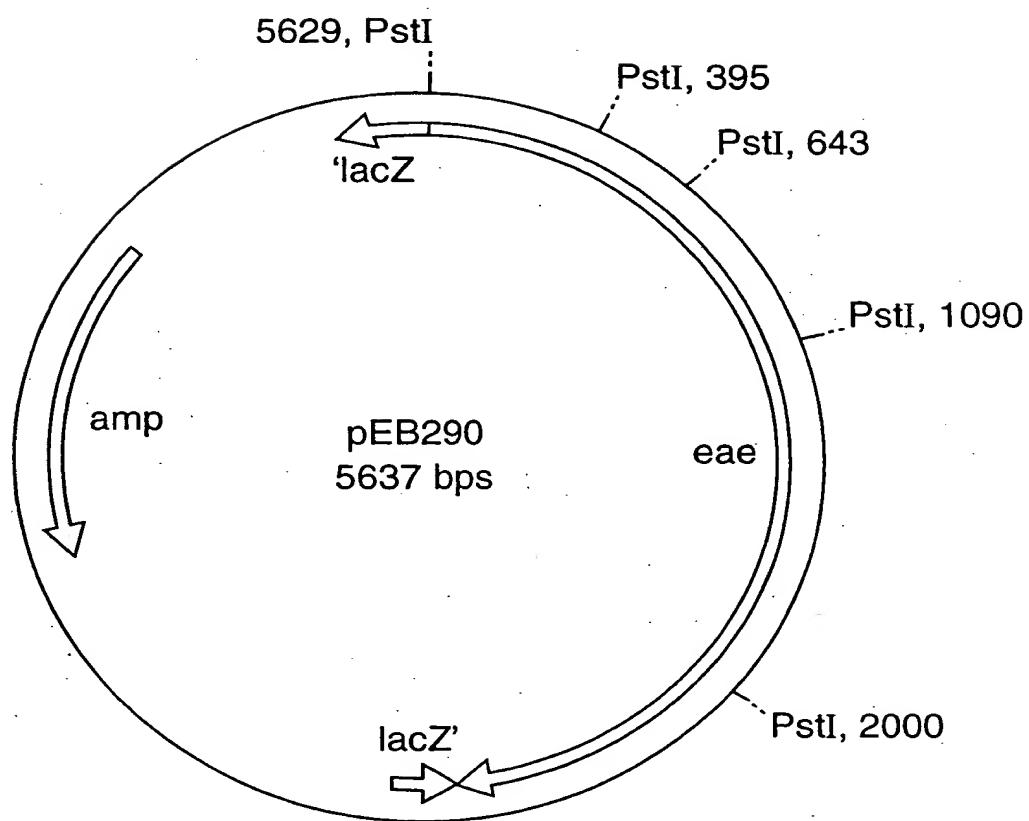
**FIG. 12**

# Replacement Sheet

**FIG. 13**

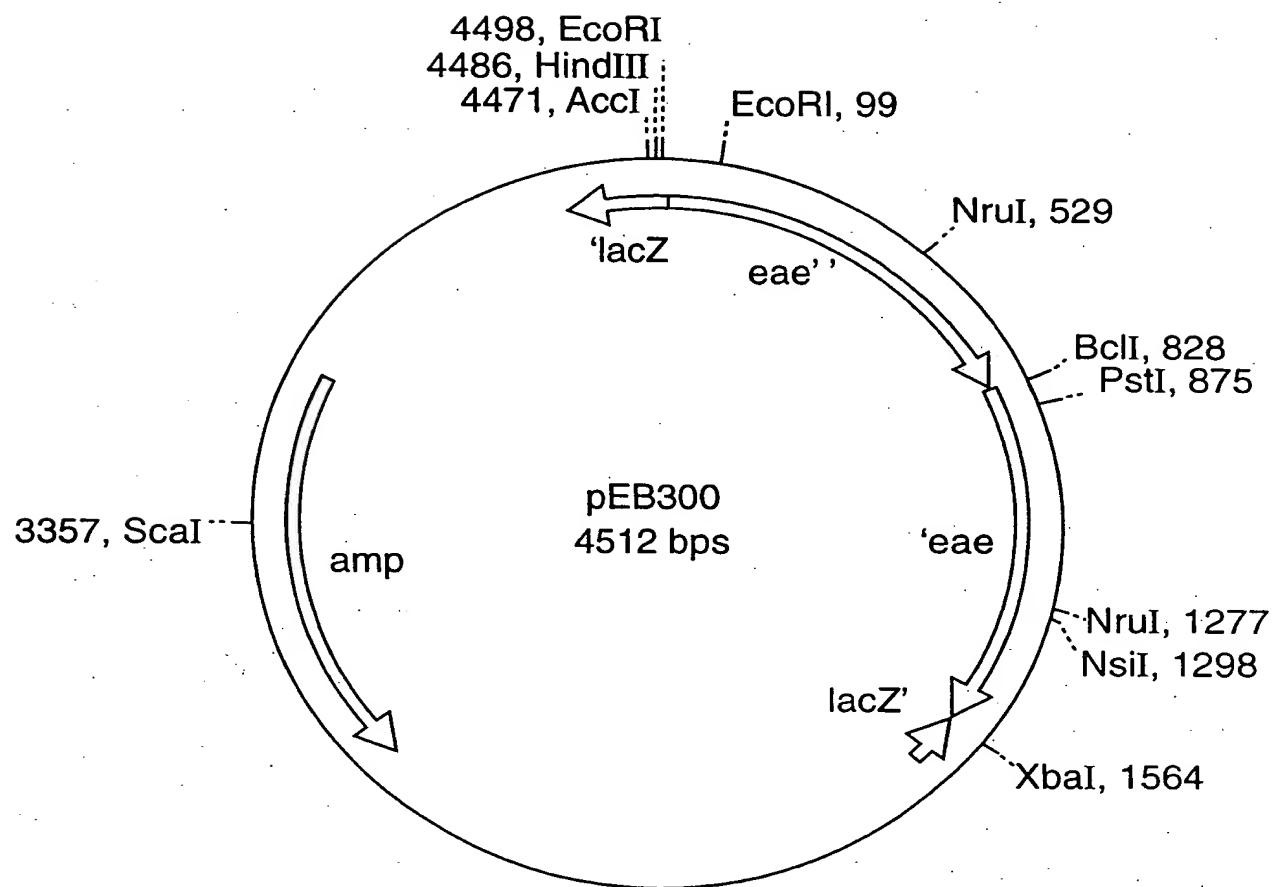


## Replacement Sheet



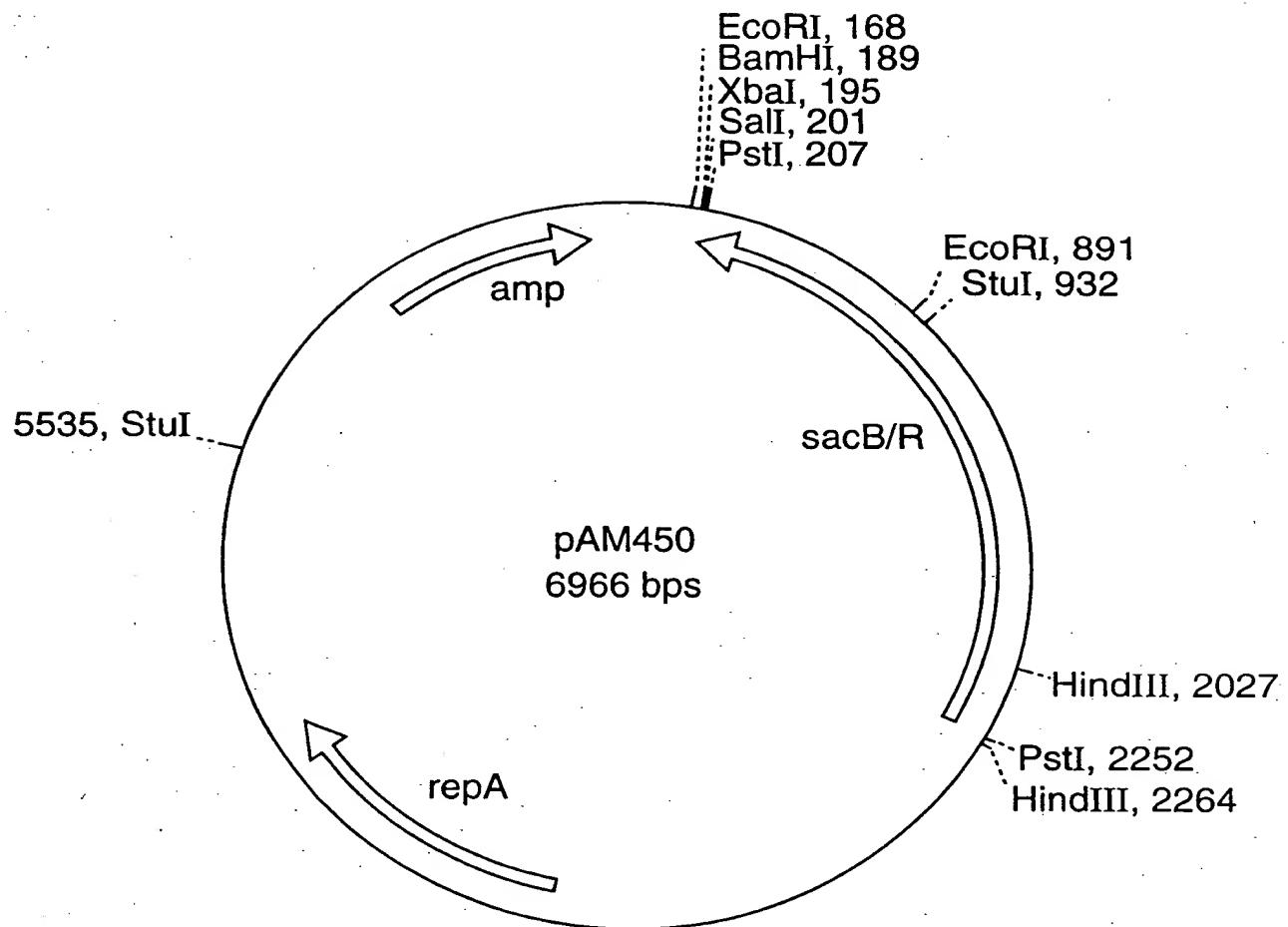
**FIG. 14**

# Replacement Sheet



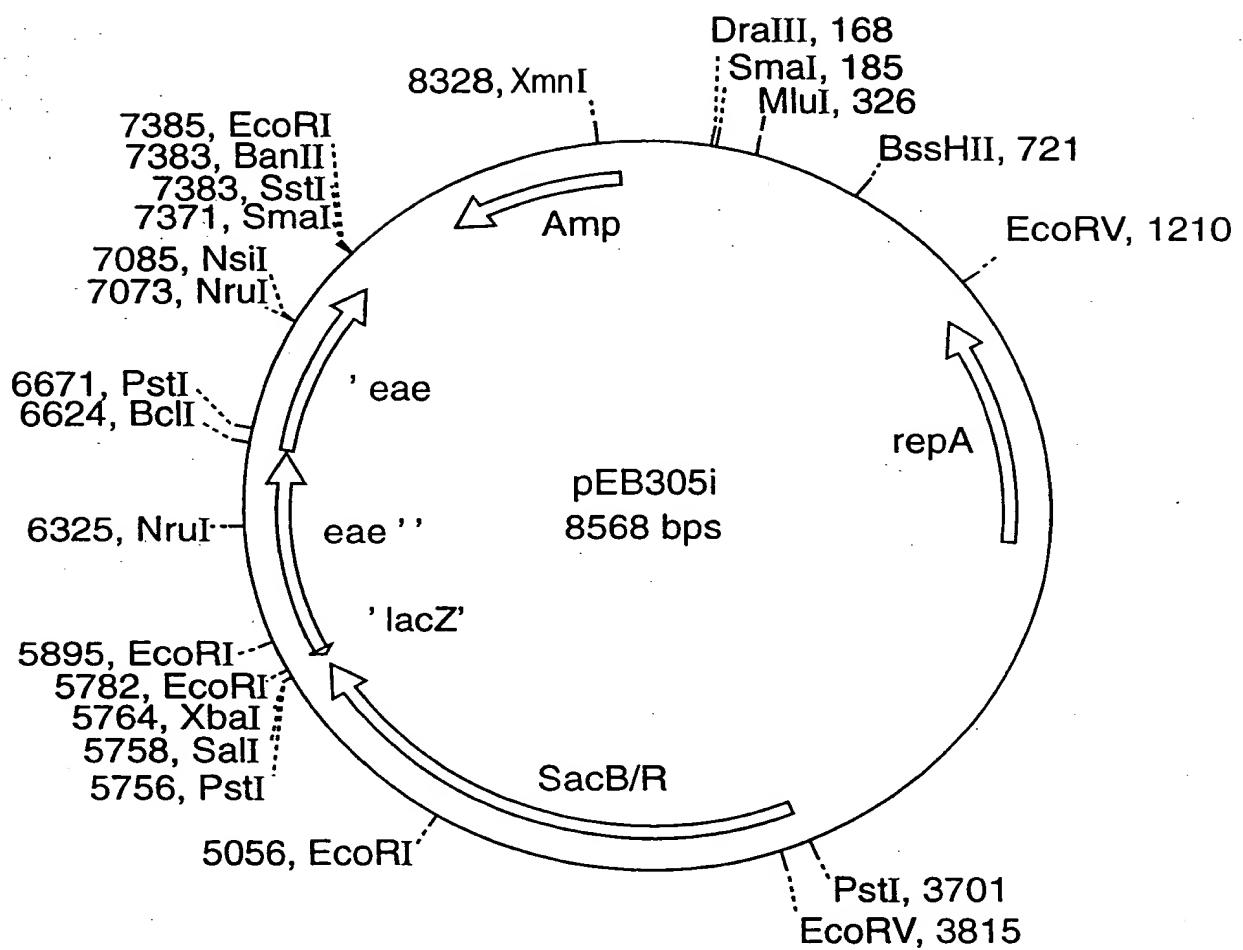
**FIG. 15**

## Replacement Sheet



**FIG. 16**

## Replacement Sheet



**FIG. 17**

# Replacement Sheet

